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From: Holman, Sheila
Sent: Thursday, March 08, 2018 7:46 AM
To: Webster, Timothy J <timothy.webster@ncdenr.gov>
Subject: FW: [External] FW: PFOA-GenX: openbaarmaking rapportage Moestuinsonderzoek

Any chance of converting these to English?

Sheila Holman

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From: Strynar, Mark [<mailto:Strynar.Mark@epa.gov>]
Sent: Thursday, March 8, 2018 6:07 AM
To: Culpepper, Linda <linda.culpepper@ncdenr.gov>; Holman, Sheila <sheila.holman@ncdenr.gov>
Cc: Medina-Vera, Myriam <Medina-Vera.Myriam@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>
Subject: [External] FW: PFOA-GenX: openbaarmaking rapportage Moestuinsonderzoek

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Linda and Shelia,

Not sure if you have seen this or how useful it is as it is not in English.

Just and FYI.

Mark

From: Xenia Trier [<mailto:Xenia.Trier@eea.europa.eu>]
Sent: Wednesday, March 07, 2018 2:24 PM
To: tom <tom@greensciencepolicy.org>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; arlene@greensciencepolicy.org; anna@greensciencepolicy.org
Subject: Fw: PFOA-GenX: openbaarmaking rapportage Moestuinsonderzoek

Dear All

Please find some updated studies on GenX and a RA of the combined exposure to PFOA and GenX around a Chemours factory in the Netherlands.

KR Xenia

From: Erik Lebrecht <erik.lebrecht@rivm.nl>
Sent: 07 March 2018 11:40
To: Xenia Trier; Maria Uhl (maria.uhl@umweltbundesamt.at); Tony Fletcher
Subject: Fw: PFOA-GenX: openbaarmaking rapportage Moestuinsonderzoek

this dutch report just came out about research in Dordrecht around Chemour/Dupont; it has a English summary, below.
Best Erik

Synopsis

Risk assessment of GenX and PFOA in vegetable garden crops in Dordrecht, Papendrecht and Slidrecht

As a result of emissions from the DuPont/Chemours chemicals company in Dordrecht, the substances GenX and PFOA have been emitted into the environment via the air. As a consequence, persons with a vegetable garden in the vicinity of the company are not sure whether it is safe to eat their home-grown vegetables. A study carried out by RIVM concludes that the threshold values of GenX and PFOA that apply to exposure are not exceeded via food. However, residents are also exposed to these substances via air and drinking water. RIVM therefore advises that vegetable garden crops grown within a radius of 1 kilometre from the company should be consumed in moderation (not too often or too much). The concentrations found within this area were somewhat higher. Outside this area, the concentrations were so low that the crops can be safely consumed even if one takes into account the two other sources of exposure.

The study at hand is based on the calculation of the exposure to GenX and PFOA via home-grown vegetables for persons with a vegetable garden located within a radius of 4 kilometres from the factory. At the end of August 2017, samples were taken of vegetables at ten different locations, namely at three locations in Dordrecht and Papendrecht and at four locations in Slidrecht. A location

in Bilthoven was sampled for purposes of comparison. Samples were taken of three categories of vegetables at all the locations, namely leafy vegetables, root vegetables, and fruiting vegetables. At one of the locations, two fruit crops were also sampled. A total of 81 samples were analysed. GenX and/or PFOA were found to be present in approximately 40% of the samples in the vicinity of the factory. GenX was found to be present in measurable quantities in 14% of the samples in the vicinity of the factory, and the same was true of PFOA in 4% of the samples. At concentrations less than 1 nanogram per gram, it was not possible to determine the exact quantity present, but only that the substance was present. At one location, less than 1 kilometre north-east of the factory, higher concentrations of GenX (in endive, beets, celery, lettuce, and tomatoes) and of PFOA (in beets) were found to be present in vegetables than at the other nine locations close to the factory. The highest concentrations were used to calculate the exposure. The calculation was based on the assumption that the persons in question would eat daily only vegetables from their own garden throughout their lifetime. The calculated results are therefore probably higher than the actual exposure to GenX and PFOA of vegetable garden owners in the vicinity of the factory. Under these worst-case circumstances, the exposure to both substances via food did not exceed the threshold values that are considered safe (the so-called health-based guidance values).

Keywords: GenX, PFOA, risk assessment, home-grown, vegetables and fruit

----- Forwarded by Erik Lebreit/RIVM/NL on 07-03-2018 11:36 -----

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Date: 07-03-2018 11:32
Subject: PFOA-GenX: openbaarmaking rapportage Moestuinsonderzoek

Besten,

Zojuist is de rapportage over het Moestuinsonderzoek rond DuPont/Chemours openbaar geworden. Vanochtend zijn de raadsleden en de moestuneigenaren en -gebruikers als eerste door de (opdrachtgevende) gemeenten geïnformeerd, PS Zuid-Holland en TK worden ook geïnformeerd. Bijgevoegd de aanbiedingsbrief en rapportage Moestuinsonderzoek.

Fase twee, analyse van grond- en irrigatiewatermonsters wordt ook uitgevoerd. We verwachten daarover in mei te rapporteren.

Groet,

Ric

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